Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/03/2022 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122973	-2	4.01	122852	4.08
Blue	F	SSC	125000	123875	-1	4.45	124426	4.53
Blue	E	FITC	13602	13041	-5	4.29	366	13.95
Blue	D	PE	24891	24109	-4	4.11	571	11.18
Blue	B	PerCP-Cy5-5	33972	32960	-3	4.77	940	15.39
Blue	A	PE-Cy7	22865	22572	-2	6.77	471	30.74
Red	C	APC	47198	46054	-3	4.00	1588	12.06
Red	A	APC-Cy7	26454	25142	-5	4.60	709	13.10
Violet	B	V450	6737	6366	-6	5.42	446	12.00
Violet	A	V500	29317	28074	-5	5.13	960	9.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23585	4.92	534	-1	N/A	N/A	Pass
Blue	F	SSC	54979	4.14	517	-4	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	1	0.0430	89	Pass
Blue	D	PE	110	38.51	488	2	0.3737	249	Pass
Blue	B	PerCP-Cy5-5	146	40.70	581	2	0.0194	29	Pass
Blue	A	PE-Cy7	77	82.37	626	5	0.0228	9	Pass
Red	C	APC	329	26.55	575	3	0.0269	167	Pass
Red	A	APC-Cy7	130	36.37	552	1	0.0060	1309	Pass
Violet	B	V450	75	45.94	450	0	0.0547	1970	Pass
Violet	A	V500	112	29.37	470	1	0.0234	399	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.50	-31.27	1.06
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.05	13.90 - 20.86	N/A	N/A	29.70	29.94	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13788

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments